

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference PC/JM/P11038PC	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/GB 00/ 03880	International filing date (day/month/year) 09/10/2000	(Earliest) Priority Date (day/month/year) 09/10/1999
Applicant QUIP TECHNOLOGY LIMITED		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 6 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☒ furnished subsequently to this Authority in written form.

☒ furnished subsequently to this Authority in computer readable form.

☒ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☒ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☒ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

☒ None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 00/03880

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12Q1/68 C12Q1/48 C12Q1/70

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, CHEM ABS Data, MEDLINE, BIOSIS, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	ARNOLD BETH A ET AL: "One-step fluorescent probe product-enhanced reverse transcriptase assay." BIOTECHNIQUES, vol. 25, no. 1, July 1998 (1998-07), pages 98-100, 102-106, XP002164696 ISSN: 0736-6205 cited in the application	1-16, 18-22
Y	page 102 -page 103	24-30, 33-36
X	--- US 5 817 457 A (BIRD ROBERT E ET AL) 6 October 1998 (1998-10-06) claims 1-22	1-3,5-8, 20,21
X	--- US 5 807 669 A (BOENI JUERG ET AL) 15 September 1998 (1998-09-15) claims 1-25 --- -/-	1-3



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

5 April 2001

Date of mailing of the international search report

20/04/2001

Name and mailing address of the ISA

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Authorized officer

Gabriels, J

INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 00/03880

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	LUGERT R ET AL: "Specific suppression of false-positive signals in the product-enhanced reverse transcriptase assay" BIOTECHNIQUES, EATON PUBLISHING, NATICK, US, vol. 20, no. 2, 1996, pages 210-216, XP002159247 ISSN: 0736-6205 cited in the application	31,32
Y	page 212 -page 216; figure 2	24-30, 33-36
Y	--- WO 97 40167 A (GALBRAITH DANIEL NORMAN ; HAWORTH CHRISTINE (GB); LEES GILLIAN MARG) 30 October 1997 (1997-10-30) cited in the application claim 22	33-36
A	--- PYRA HALINA ET AL: "Ultrasensitive retrovirus detection by a reverse transcriptase assay based on product enhancement." PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES, vol. 91, no. 4, 1994, pages 1544-1548, XP002159245 1994 ISSN: 0027-8424 cited in the application page 1545, right-hand column, last paragraph -page 1548, left-hand column	17,23
A	--- MARTIN ULRICH ET AL: "Expression of pig endogenous retrovirus by primary porcine endothelial cells and infection of human cells." LANCET (NORTH AMERICAN EDITION), vol. 352, no. 9129, 29 August 1998 (1998-08-29), pages 692-694, XP002164697 ISSN: 0099-5355 cited in the application page 692 -page 693; figure 2	17,23
A	--- MARTIGNAT L ET AL: "Detection of porcine endogenous retrovirus: Possible involvement in pig islet xenotransplantation." DIABETES & METABOLISM, vol. 24, no. 5, November 1998 (1998-11), pages 434-441, XP000992623 ISSN: 1262-3636 cited in the application page 435, left-hand column -page 436, right-hand column, paragraph 1	17,23
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INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 00/03880

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Indicate the document, with indication, where appropriate, of the relevant passages	Relevant to claim No
P,X	<p>LOVATT A ET AL: "High throughput detection of retrovirus-associated reverse transcriptase using an improved fluorescent product enhanced reverse transcriptase assay and its comparison to conventional detection methods." JOURNAL OF VIROLOGICAL METHODS, v. 1, 82, no. 2, October 1999 (1999-10), pages 185-200, XP000980366 IPC: 0166-0934 the whole document</p> <p>-----</p>	1-36

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/US 00/03880

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5817457	A	06-10-1998	NONE	
US 5807669	A	15-09-1998	AT 189003 T	15-02-2000
			AU 4258693 A	13-12-1993
			WO 9323560 A	25-11-1993
			DE 59309936 D	24-02-2000
			EP 0623176 A	09-11-1994
			ES 2147757 T	01-10-2000
			JP 6509477 T	27-10-1994
WO 9740167	A	30-10-1997	AU 721579 B	06-07-2000
			AU 2394697 A	12-11-1997
			CA 2251939 A	30-10-1997
			EP 0907739 A	14-04-1999
			JP 2000512129 T	19-09-2000